

	Component Loadings (No Rotation)					Rotated Loading Matrix (VARIMA X)		
Variable	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3
AL_T	0.696579	-0.40553	0.301713	0.087946	-0.07946	0.435861	-0.18086	0.727374
ALKALINI								
TY	-0.23314	0.510335	0.378137	-0.47972	-0.09937	-0.17995	0.22692	-0.1796
AS_T	0.561354	-0.20892	0.379896	0.088435	0.009135	0.286429	-0.00026	0.651171
BA_T	0.38603	0.030108	0.412673	-0.28888	-0.15164	0.262384	-0.01201	0.378632
CA_T	-0.2406	0.501426	0.456239		-0.499	-0.27397	-0.21306	0.142589
CL	0.059588	0.82297	0.018687	0.124766	0.109593	-0.03649	0.776346	-0.15826
COLIFOR								
MS	0.783552	-0.1216	-0.27942	-0.34056	0.019119	0.898583	-0.05398	0.106601
CU_T	0.467885	-0.1912	0.498686	0.495339	-0.08037	0.000635	0.080893	0.842452
ECOLI	0.860131	-0.16824	-0.23773	-0.26591	0.020709	0.918089	-0.05203	0.217472
ENTERO	0.798943	-0.18922	-0.1822	-0.26704	0.011654	0.846217	-0.08136	0.231916
FE_T	0.721565	-0.39202	0.342432	0.040802	-0.05351	0.458548	-0.16333	0.745676
FECAL	0.810528	-0.1308	-0.26203	-0.33004	0.022374	0.910282	-0.05037	0.13927
K_T	0.743596	0.458627	-0.0797	0.053134	0.133114	0.611949	0.594441	0.200292
MG_T	0.435428	0.488551	0.350704	-0.01759	0.33049	0.214331	0.658986	0.302324
MN_T	0.599179	-0.23274	0.353985	-0.19682	0.237235	0.444541	0.004925	0.538374
N_NO2_N								
O3	0.065244	0.330409	-0.08538	0.171523	-0.74446	-0.00599	0.001557	-0.02078

NA_T	-0.01923	0.837582	-0.03178	0.216817	0.265973	-0.11481	0.862912	-0.21168
P_SOL_R								
EAC	0.732033	0.371002	-0.33086	0.153051	-0.2522	0.66004	0.358811	0.100399
P_T_4500	0.806711	0.301314	-0.27907	0.125245	-0.15653	0.716528	0.354456	0.180285
P_TD_45								
00	0.766544	0.37865	-0.36153	0.141654	-0.2159	0.705778	0.382213	0.087727
SO4	0.204915	0.626704	0.095604	0.066315	0.356615	0.088256	0.741234	-0.00661
TDS	0.278937	0.534074	0.457823	-0.08031	-0.22973	0.053323	0.41112	0.290398
TKN	0.436654	0.019332	-0.04708	0.145776	0.065164	0.324347	0.16918	0.235866
TOC	0.850496	0.036219	-0.0461	0.033606	0.203677	0.712409	0.295064	0.392671
ZN_T	0.465338	-0.20002	0.583189	0.323335	-0.07846	0.031918	0.032332	0.838011

Rotated Loading Matrix (EQUAMA X)					Rotated Loading Matrix (QUARTI MAX)				
Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 2
-0.05239	0.015794	0.40401	-0.14125	0.735582	0.107848	0.137347	0.513046	-0.22452	
0.762077	0.030009	-0.08274	0.204461	-0.1732	-0.77828	-0.11585	-0.21714	0.26193	
0.038876	0.058443	0.272903	0.032415	0.657092	0.000474	0.060785	0.361971	-0.03224	
0.462852	0.009318	0.295704	0.002441	0.389511	-0.42865	0.061383	0.288282	-0.02348	
0.867315	-0.0911	-0.13239	0.099449	-0.1186	-0.89392	-0.03074	-0.24571	0.186813	
0.180777	-0.21676	-0.15907	0.724691	-0.17609	-0.23362	0.269612	0.00098	0.792406	
0.004	0.0376	0.852808	0.006981	0.121241	0.086531	0.27137	0.894743	-0.11724	
-0.14508	-0.13662	-0.09297	0.069741	0.833666	0.135592	0.170562	0.128173	0.066677	
-0.0466	0.02682	0.858019	0.010334	0.231129	0.138404	0.294788	0.931034	-0.1196	
-0.01799	0.044081	0.80285	-0.02039	0.246054	0.106302	0.248854	0.857892	-0.14413	
-0.00163	0.056126	0.442121	-0.11686	0.755979	0.063251	0.10722	0.534746	-0.20901	
0.000457	0.040067	0.862799	0.01203	0.154009	0.091567	0.274738	0.910753	-0.1152	
0.00984	-0.14871	0.455437	0.6009	0.193883	0.012952	0.428844	0.677918	0.553793	
0.255491	0.154692	0.203766	0.686015	0.302847	-0.23859	0.005353	0.27648	0.638157	
0.145923	0.353169	0.531273	0.090257	0.557779	-0.06289	-0.16746	0.483218	-0.04403	
0.17359	-0.82082	-0.24902	-0.13027	-0.04506	-0.25396	0.747563	0.030284	0.039105	

0.050801	-0.12443	-0.22594	0.821196	-0.23098	-0.10678	0.174669	-0.07737	0.87758
-0.10948	-0.53249	0.38896	0.312009	0.084372	0.10513	0.776661	0.722575	0.32905
-0.11936	-0.41694	0.47601	0.330194	0.168675	0.132567	0.691375	0.782314	0.314737
-0.12774	-0.51002	0.434472	0.341438	0.07241	0.128716	0.775363	0.767135	0.348139
0.111776	0.075536	0.042689	0.745963	-0.01374	-0.12196	0.045992	0.127786	0.733051
0.549313	-0.2719	-0.02143	0.360817	0.283407	-0.57783	0.294982	0.111391	0.427094
-0.16007	-0.06062	0.238649	0.181414	0.232899	0.178892	0.206504	0.371692	0.140422
-0.13549	0.047498	0.620752	0.346766	0.396755	0.198413	0.258903	0.776482	0.233566
0.017229	-0.05229	-0.01126	0.03449	0.835716	-0.01211	0.086449	0.144109	0.017628

Rotated
 Pattern
 Matrix
 (OBLIMIN
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Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5
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0.662542	-0.02211	0.040967	0.315431	-0.20889	0.677879	-0.0227	0.026376
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-0.1566	0.746343	0.022043	-0.08771	0.174599	-0.2179	0.752674	0.020496
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0.607361	0.057852	0.081823	0.161638	-0.01675	0.622907	0.051942	0.078827
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0.338456	0.477374	0.023971	0.251207	-0.07317	0.301593	0.481716	0.007067
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-0.09705	0.852058	-0.10409	-0.11973	0.055327	-0.14873	0.867004	-0.11219
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-0.14451	0.156235	-0.18856	-0.09192	0.752441	-0.13482	0.122006	-0.17404
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-0.01275	0.043221	0.08258	0.957341	-0.08172	-0.10286	0.028109	0.04001
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0.837558	-0.13876	-0.11979	-0.23691	0.056551	0.935749	-0.14484	-0.1058
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0.094958	-0.00545	0.074861	0.944908	-0.07953	0.017605	-0.02199	0.033802
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0.118149	0.021222	0.08714	0.871743	-0.10761	0.04484	0.007994	0.04875
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0.677299	0.029523	0.082982	0.341574	-0.18974	0.683705	0.028073	0.068392
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0.018131	0.040434	0.086282	0.961398	-0.07825	-0.07033	0.024782	0.043913
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0.124777	0.020746	-0.08894	0.530996	0.564024	0.101637	-0.02091	-0.10067
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0.274946	0.251413	0.195744	0.112884	0.671352	0.251749	0.215286	0.211626
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0.472062	0.171772	0.381738	0.387723	0.027256	0.423177	0.161183	0.37688
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-0.01433	0.167484	-0.82076	-0.02374	-0.16021	0.050952	0.180746	-0.8511
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-0.1865 0.021073 -0.09651 -0.18603 0.875034 -0.16952 -0.01986 -0.07033

0.02096 -0.09409 -0.47993 0.603199 0.264298 0.028744 -0.12192 -0.51334

0.091874 -0.09994 -0.36074 0.650629 0.277688 0.089775 -0.13025 -0.39187

0.002536 -0.11105 -0.45421 0.651727 0.293068 0.004221 -0.14163 -0.48813

-0.01273 0.096824 0.110592 0.018343 0.767352 -0.02697 0.05708 0.131153

0.283825 0.541707 -0.25109 -0.01336 0.315589 0.289097 0.53279 -0.256

0.19413 -0.14887 -0.03211 0.250231 0.164729 0.202761 -0.16678 -0.03717

0.298914 -0.10937 0.102977 0.625241 0.295699 0.269405 -0.14244 0.088701

0.827153 0.026362 -0.03745 -0.17163 0.004149 0.898449 0.024462 -0.02736

Number of Variables						Coefficients (No Rotation)	
	Variable	Factor 1					
25	AL_T	0.081143					
Component Loadings (No Rotation)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	8.584538	4.089798	2.503722	1.522904	1.311833	ALKALINI	
Percent of Total Variance Explained	34.33815	16.35919	10.01489	6.091614	5.247333	TY AS_T	
						0.065391	
Rotated Loadings (VARIMA X)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	6.528095	3.523305	4.079971	2.128176	1.753248	CL COLIFOR	
Percent of Total Variance Explained	26.11238	14.09322	16.31988	8.512705	7.01299	MS CU_T	
						0.091275 0.054503	
Rotated Loadings (EQUAMA X)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	5.086988	3.312247	4.145735	2.325897	3.141927	ECOLI ENTERO	
Percent of Total Variance Explained	20.34795	13.24899	16.58294	9.303587	12.56771	0.084054	
						0.093068	
Rotated Loadings (QUARTI MAX)	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5		
Variance Explained	7.409719	3.504071	3.410749	2.053722	1.634533	FECAL K_T	
Percent of Total Variance Explained	29.63887	14.01629	13.643	8.21489	6.538132	MG_T 0.094417	
						0.08662	
N_NO2_N	O3	0.0076					

Coefficients (VARIMA X)									
Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	
-0.09916	0.120506	0.057749	-0.06057	-0.00094	-0.06606	0.181495	0.00332	-0.02502	
0.124782	0.15103	-0.31501	-0.07575	0.033115	-0.01203	-0.05985	0.37053	0.044372	
-0.05108	0.151733	0.05807	0.006963	-0.02717	0.00269	0.177966	0.017365	0.024698	
0.007362	0.164824	-0.18969	-0.11559	0.042347	-0.07555	0.071414	0.256865	-0.00253	
0.122604	0.182224	-0.32766	-0.20885	0.022261	-0.07327	-0.03538	0.435548	-0.05641	
0.201225	0.007464	0.081926	0.083542	-0.03528	0.227866	-0.02389	-0.00707	-0.02233	
-0.02973	-0.1116	-0.22362	0.014574	0.208786	-0.07205	-0.1099	0.077735	0.070616	
-0.04675	0.199178	0.32526	-0.06127	-0.16067	0.053428	0.310302	-0.12188	-0.12069	
-0.04114	-0.09495	-0.1746	0.015786	0.190895	-0.06398	-0.07151	0.047456	0.059856	
-0.04627	-0.07277	-0.17535	0.008884	0.176448	-0.07106	-0.05781	0.060451	0.061182	
-0.09585	0.136769	0.026792	-0.04079	0.007251	-0.06149	0.180699	0.028829	0.004884	
-0.03198	-0.10466	-0.21672	0.017056	0.206054	-0.06968	-0.10019	0.074923	0.071985	
0.112139	-0.03183	0.03489	0.101472	0.068582	0.161619	-0.00361	-0.03603	0.021683	
0.119456	0.140073	-0.01155	0.25193	-0.00935	0.227245	0.072309	0.047608	0.202094	
-0.05691	0.141384	-0.12924	0.180843	0.057152	0.021204	0.094036	0.088399	0.239028	
0.080789	-0.0341	0.112629	-0.5675	-0.03819	-0.15114	0.028412	0.102454	-0.55397	

0.204798	-0.01269	0.142371	0.202749	-0.0561	0.296549	-0.02711	-0.09452	0.052224
0.090714	-0.13215	0.1005	-0.19225	0.077212	0.025423	-0.02874	-0.05483	-0.26379
0.073674	-0.11146	0.082241	-0.11932	0.085324	0.041548	-0.01536	-0.05941	-0.18685
0.092584	-0.1444	0.093016	-0.16458	0.088841	0.036777	-0.04024	-0.06402	-0.24118
0.153236	0.038185	0.043545	0.271845	-0.01307	0.265712	-0.00373	-0.03839	0.17042
0.130587	0.182857	-0.05273	-0.17512	-0.03446	0.037764	0.096708	0.233068	-0.13677
0.004727	-0.0188	0.095723	0.049674	0.013231	0.061285	0.045129	-0.09281	-0.0036
0.008856	-0.01841	0.022067	0.155262	0.083576	0.099823	0.035154	-0.07353	0.105991
-0.04891	0.232929	0.212315	-0.05981	-0.1304	0.023133	0.291576	-0.02578	-0.07085

Coefficients
 (EQUAMA
 X)

Factor 1	Factor 2	Factor 3	Factor 4	Factor 5	Factor 1	Factor 2	Factor 3	Factor 4
-0.00655	-0.06715	0.18167	-0.00165	0.019571	0.019296	-0.06793	0.179636	0.006745

Coefficients
 (QUARTI
 MAX)

0.093913	-0.00909	-0.05204	-0.3595	-0.05687	0.007077	-0.00429	-0.06601	0.371372
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-0.02032	0.006607	0.178455	-0.01561	-0.02797	-0.00571	0.000859	0.179721	0.018251
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0.076407	-0.07539	0.077048	-0.24714	-0.00706	0.035924	-0.07197	0.063295	0.260939
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0.065038	-0.08659	-0.02901	-0.43239	0.021667	-0.00158	-0.05927	-0.04041	0.437027
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-0.06429	0.218861	-0.02905	-0.00702	0.036881	-0.02098	0.230508	-0.01684	-0.01468
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0.237578	-0.04995	-0.10218	-0.04898	-0.01062	0.180018	-0.08434	-0.13785	0.087221
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-0.21788	0.029444	0.30108	0.094873	0.079919	-0.10339	0.059665	0.330667	-0.12705
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0.211788	-0.04387	-0.06502	-0.02165	-0.00275	0.169653	-0.07623	-0.09715	0.056391
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0.200732	-0.05154	-0.05118	-0.03533	-0.0103	0.156098	-0.08225	-0.08182	0.06912
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0.013445	-0.05787	0.182277	-0.02335	-0.00643	0.024919	-0.06435	0.177453	0.032627
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0.234612	-0.04741	-0.09256	-0.0463	-0.01207	0.178769	-0.0821	-0.12785	0.084355
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0.049562	0.167259	-0.00523	0.038299	0.026066	0.078369	0.154644	-0.01112	-0.0372
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0.036619	0.255202	0.075603	-0.03553	-0.16315	0.002372	0.219288	0.0731	0.043506
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0.136656	0.061467	0.10355	-0.05835	-0.2023	0.053218	0.008869	0.083621	0.092652
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-0.18685	-0.23927	0.013861	-0.15407	0.475806	-0.0175	-0.12415	0.035602	0.101286
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-0.07754	0.298275	-0.03262	0.082472	-0.02527	-0.03799	0.295014	-0.01684	-0.10416
-0.02198	-0.01122	-0.03753	0.034143	0.277204	0.091033	0.029341	-0.03605	-0.05431
0.007823	0.017431	-0.02187	0.046606	0.211349	0.097764	0.041511	-0.02428	-0.05833
-0.00585	0.004216	-0.04845	0.046036	0.261943	0.100899	0.038942	-0.049	-0.06328
0.010306	0.288376	-0.00342	0.043975	-0.12686	-0.00337	0.258003	-0.00077	-0.04455
-0.05411	0.011352	0.094581	-0.2479	0.107403	-0.02055	0.050158	0.100584	0.230569
-0.00799	0.062497	0.042706	0.090975	0.022882	0.026887	0.056868	0.044045	-0.09325
0.091592	0.12143	0.036945	0.087801	-0.05117	0.090786	0.087034	0.02434	-0.07151
-0.15799	0.007555	0.286398	0.008411	0.033601	-0.08454	0.028591	0.306999	-0.02896

Coefficien
ts
(OBMIN
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Factor 5 Factor 1 Factor 2 Factor 3 Factor 4 Factor 5
-0.02529 0.035123 -0.06331 0.17525 0.008798 0.003041

0.041748 0.011548 0.015898 -0.05714 0.359812 0.03569

0.025747 0.010356 -0.00088 0.166386 0.031871 0.041033

-0.00456 0.048682 -0.05079 0.073626 0.248454 0.012722
-0.06213 0.003814 -0.03389 -0.03528 0.41924 -0.05062

-0.01462 -0.03096 0.222232 -0.02335 0.01452 -0.06062

0.075885 0.175899 -0.0468 -0.06589 0.04672 0.061044

-0.12101 -0.08597 0.034251 0.273276 -0.08411 -0.09074
0.065357 0.167503 -0.0423 -0.03155 0.021308 0.053686

0.065733 0.155751 -0.05008 -0.02184 0.035698 0.057992

0.004945 0.04227 -0.05813 0.175209 0.034286 0.03094

0.077372 0.175394 -0.04507 -0.05699 0.045045 0.063017
0.032269 0.072439 0.163328 0.016467 -0.02686 -0.00912

0.211509 0.01088 0.212584 0.068516 0.077006 0.166614

0.242939 0.071831 0.016906 0.096524 0.09529 0.235983

-0.56146 -0.03225 -0.10663 0.030343 0.082194 -0.51421

0.062255	-0.04868	0.275993	-0.03025	-0.06285	0.002292
-0.25812	0.07443	0.048716	-0.00125	-0.06564	-0.26869
-0.18003	0.084935	0.059747	0.011772	-0.06706	-0.19508
-0.23458	0.083691	0.058969	-0.0101	-0.07503	-0.24995
0.180951	-0.00532	0.246105	-0.00317	-0.00993	0.123041
-0.13703	-0.01494	0.06029	0.089063	0.240722	-0.13187
0.001054	0.026459	0.055524	0.050007	-0.08462	-0.00963
0.115339	0.092785	0.095205	0.053522	-0.06664	0.087021
-0.07204	-0.06389	0.011248	0.258148	0.005433	-0.04064